TITLE OF THE INVENTION

A PHYSICAL QUANTITY DETECTION DEVICE WITH TEMPERATURE COMPENSATION

Sub A25

ABSTRACT OF THE DISCLOSURE

First and second resistors (sensing elements) are connected in series between first and second potentials. The junction point voltage between the first and second resistor is supplied to an inverting input of a first operational amplifier. The non-inverting input is supplied with a reference voltage Vref generated by third and fourth resistors. A feedback resistor is connected between output and inverting input of the operational amplifier OP1. The difference between temperature coefficient of resistor TCR of the sensing elements and temperature coefficient of sensitivity TCS is equalized to temperature coefficient of resistor of the feedback resistor. Further, the reference voltage is unchanged in accordance with the detected physical quantity or temperature variation.